

### Abstract

The present invention has an objective of providing a hybridization device which anyone can easily and steadily set up, and with which evaporation of a sample solution can be minimized.

A silicone-rubber-based sheet 2 has a hydrophilic region 3 and a hydrophobic region 4 surrounding the hydrophilic region 3, the hydrophilic region 3 corresponding to a region of a substrate (not shown) where DNA is fixed. Accordingly, hybridization reaction that takes long time can be carried out stably with a small amount of sample solution even without a sealing case or water for preventing the sample solution from evaporating.

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